



Attorney Docket No.: 60021-0013

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Anant Sahai, et al

Confirmation No.: 7231

Application No.: 09/888,338

Group Art Unit: 2121

Filed: June 22, 2001

Examiner: Not Assigned

Title: EXTRACTING FINE-TUNED ESTIMATES FROM CORRELATION FUNCTIONS
EVALUATED AT A LIMITED NUMBER OF VALUES

PRELIMINARY AMENDMENT

Commissioner for Patents
Washington, D.C. 20231

Sir:

Prior to examination, please amend the claims as follows:

IN THE CLAIMS:

Please add new Claims 42-65 as follows:

- 1 42. (New) In a position determining system, a method for calculating one or more fine-
- 2 grained estimates, wherein said fine-grained estimates are for a signal parameter, and
- 3 wherein said signal parameter is for a received signal, the method comprising the steps
- 4 of:
- 5 receiving said received signal at a receiver;
- 6 pre-processing said received signal;
- 7 obtaining a set of coarse-grained correlations;
- 8 determining a set of fine-grained values of interest;
- 9 calculating a set of fine-grained correlations, wherein each said fine-grained
- 10 correlation is for one said fine-grained value of interest; and

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1/15/2002 RHEBHT 00000101
FC:203
FC:202
216.00 DP
84.00 DP



\$2121

PTO/SB/47 (12/99)

Approved for use through 09/30/2000. OMB 0651-0032

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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FEE TRANSMITTAL for FY 2002

Patent fees are subject to annual revision.
Small Entity payments must be supported by a small entity statement,
otherwise large entity fees must be paid. See Forms PTO/SB/09-12.
See 37 C.F.R. §§ 1.27 AND 1.28

TOTAL AMOUNT OF PAYMENT (\$ 300.00)

Complete if Known

Application Number	09/888,338
Filing Date	June 22, 2001
First Named Inventor	Anant Sahai, et al.
Examiner Name	Not Yet Assigned
Group/Art Unit	2121; Confirmation No. 7231
Attorney Docket No.	60021-0013

METHOD OF PAYMENT (check one)

1. ☒ Throughout the pendency of this application, please charge any additional fees, including any required extension of time fees, and credit all overpayments to deposit account 50-1302. A duplicate of this sheet is enclosed.

Deposit Account Number 50-1302

Deposit Account Name Hickman Palermo Truong & Becker LLP

2. ☒ Payment Enclosed:
☒ Check ☐ Money Order ☐ Other

3. ☐ Applicant(s) is entitled to small entity status.
See 37 CFR 1.27

FEE CALCULATION

1. BASIC FILING FEE

Large Entity Fee Code	Large Entity Fee (\$)	Small Entity Fee Code	Small Entity Fee (\$)	Fee Description	Fee Paid
101	740	201	370	Utility filing fee	
106	330	206	165	Design filing fee	
107	510	207	255	Plant filing fee	
108	740	208	370	Reissue filing fee	
114	160	214	80	Provisional filing fee	

SUBTOTAL (1) (\$ 0.00)

2. EXTRA CLAIM FEES

Total Claims	Extra Claims	Fee from Below	Fee Paid
65	24	9.00	216.00
10	2	42.00	84.00

**or number previously paid, if greater; For Reissues, see below

Large Entity Fee Code	Large Entity Fee (\$)	Small Entity Fee Code	Small Entity Fee (\$)	Fee Description
103	18	203	9	Claims in excess of 20
102	84	202	42	Independent claims in excess of 3
104	280	204	140	Multiple dependent claim, if not paid
109	84	209	42	**Reissue independent claims over original patent
110	18	210	9	**Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$ 300.00)

FEE CALCULATION (continued)

Large Entity Fee Code	Large Entity Fee (\$)	Small Entity Fee Code	Small Entity Fee (\$)	Fee Description	Fee Paid
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105	130	205	65	Surcharge - late filing fee or oath	
127	50	227	25	Surcharge - late provisional filing fee or cover sheet.	
139	130	139	130	Non-English specification	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	400	216	200	Extension for reply within second month	
117	920	217	460	Extension for reply within third month	
118	1,440	218	720	Extension for reply within fourth month	
128	1,960	228	980	Extension for reply within fifth month	
119	320	219	160	Notice of Appeal	
120	320	220	160	Filing a brief in support of an appeal	
121	280	221	140	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - unavoidable	
141	1,280	241	640	Petition to revive - unintentional	
142	1,280	242	640	Utility issue fee (or reissue)	
143	460	243	230	Design issue fee	
144	620	244	310	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Petitions related to provisional applications	
126	240	126	240	Submission of information Disclosure Stmt	
581	40	581	40	Recording each patent assignment per property (times number of properties)	
146	690	246	345	Filing a submission after final rejection (37 CFR § 1.129(a))	
149	690	249	345	For each additional invention to be examined (37 CFR § 1.129(b))	

Other fee (specify) _____

Other fee (specify) _____

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ 0.00)

SUBMITTED BY

Name (Print/Type)	Brian D. Hickman	Registration No. (Attorney/Agent)	35,894	Telephone	(408) 414-1080
Signature		Date	April 2, 2002		

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